IFWO

RAW SEQUENCE LISTING   DATE: 08/27/2004
PATENT APPLICATION: US/10/764,604   TIME: 11:08:06

Input Set : **A:\sequence.listing.ascii.txt**
Output Set: **N:\CRF4\08272004\J764604.raw**

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 3 <110> APPLICANT: McLachlan, Karen
 4        Glaser, Scott
 5        Peach, Robert
 6        Rowe, Anthony
 8 <120> TITLE OF INVENTION: Compositions and Methods for Treating Cancer Using IGSF9 and
 9        LIV-1
11 <130> FILE REFERENCE: 2159.0030001
13 <140> CURRENT APPLICATION NUMBER: US 10/764,604
14 <141> CURRENT FILING DATE: 2004-01-27
16 <150> PRIOR APPLICATION NUMBER: US 60/442,535
17 <151> PRIOR FILING DATE: 2003-01-27
19 <160> NUMBER OF SEQ ID NOS: 43
21 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 3490
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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33 tgtgacctgc tgcccccggc cggccggccc cccctgcatg tcatcgagtg gctgcgcttt     180
35 ggattcctgc ttcccatctt catccagttc ggcctctact ctccccgaat tgaccctgat     240
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61 tgcatgccgg gggtgatccg ctgcccggtt cgtgccaacc ccccactgct ctttgtcagc    1020
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135 gaggaacaca tctgtggacg agaactatga gtgggactca gaattccctg gggacatgga   3240
137 attgctggag actttgcacc tgggcttggc cagctcccgg ctcagacctg aagctgagac   3300
139 agagctaggt gtgaagactc cagaggaggg ctgcctcctg aacactgccc atgttactgg   3360
141 ccctgaggcc cgctgtgctg cccttcggga ggaattcctg gccttccgcc gccgccgaga   3420
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150 <212> TYPE: PRT
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159 Gly Ala Asp Gly Arg Gly Lys Pro Glu Val Val Ser Val Val Gly Arg
160             20                  25                  30
163 Ala Glu Glu Ser Val Val Leu Gly Cys Asp Leu Leu Pro Pro Ala Gly
164             35                  40                  45
167 Arg Pro Pro Leu His Val Ile Glu Trp Leu Arg Phe Gly Phe Leu Leu
168         50                  55                  60
171 Pro Ile Phe Ile Gln Phe Gly Leu Tyr Ser Pro Arg Ile Asp Pro Asp
172 65                  70                  75                  80
```

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175 Tyr Val Gly Arg Val Arg Leu Gln Lys Gly Ala Ser Leu Gln Ile Glu
176             85                  90                  95
179 Gly Leu Arg Val Glu Asp Gln Gly Trp Tyr Glu Cys Arg Val Phe Phe
180             100                 105                 110
183 Leu Asp Gln His Ile Pro Glu Asp Asp Phe Ala Asn Gly Ser Trp Val
184         115                 120                 125
187 His Leu Thr Val Asn Ser Pro Pro Gln Phe Gln Glu Thr Pro Pro Ala
188         130                 135                 140
191 Val Leu Glu Val Gln Glu Leu Glu Pro Val Thr Leu Arg Cys Val Ala
192 145                 150                 155                 160
195 Arg Gly Ser Pro Leu Pro His Val Thr Trp Lys Leu Arg Gly Lys Asp
196             165                 170                 175
199 Leu Gly Gln Gly Gln Gly Gln Val Gln Val Gln Asn Gly Thr Leu Arg
200             180                 185                 190
203 Ile Arg Arg Val Glu Arg Gly Ser Ser Gly Val Tyr Thr Cys Gln Ala
204         195                 200                 205
207 Ser Ser Thr Glu Gly Ser Ala Thr His Ala Thr Gln Leu Leu Val Leu
208     210                 215                 220
211 Gly Pro Pro Val Ile Val Val Pro Pro Lys Asn Ser Thr Val Asn Ala
212 225                 230                 235                 240
215 Ser Gln Asp Val Ser Leu Ala Cys His Ala Glu Ala Tyr Pro Ala Asn
216             245                 250                 255
219 Leu Thr Tyr Ser Trp Phe Gln Asp Asn Ile Asn Val Phe His Ile Ser
220             260                 265                 270
223 Arg Leu Gln Pro Arg Val Gln Ile Leu Val Asp Gly Ser Leu Arg Leu
224         275                 280                 285
227 Leu Ala Thr Gln Pro Asp Asp Ala Gly Cys Tyr Thr Cys Val Pro Ser
228     290                 295                 300
231 Asn Gly Leu Leu His Pro Pro Ser Ala Ser Ala Tyr Leu Thr Val Leu
232 305                 310                 315                 320
235 Cys Met Pro Gly Val Ile Arg Cys Pro Val Arg Ala Asn Pro Pro Leu
236             325                 330                 335
239 Leu Phe Val Ser Trp Thr Lys Asp Gly Lys Ala Leu Gln Leu Asp Lys
240             340                 345                 350
243 Phe Pro Gly Trp Ser Gln Gly Thr Glu Gly Ser Leu Ile Ile Ala Leu
244         355                 360                 365
247 Gly Asn Glu Asp Ala Leu Gly Glu Tyr Ser Cys Thr Pro Tyr Asn Ser
248     370                 375                 380
251 Leu Gly Thr Ala Gly Pro Ser Pro Val Thr Arg Val Leu Leu Lys Ala
252 385                 390                 395                 400
255 Pro Pro Ala Phe Ile Glu Arg Pro Lys Glu Glu Tyr Phe Gln Glu Val
256             405                 410                 415
259 Gly Arg Glu Leu Leu Ile Pro Cys Ser Ala Gln Gly Asp Pro Pro Pro
260             420                 425                 430
263 Val Val Ser Trp Thr Lys Val Gly Arg Gly Leu Gln Gly Gln Ala Gln
264     435                 440                 445
267 Val Asp Ser Asn Ser Ser Leu Ile Leu Arg Pro Leu Thr Lys Glu Ala
268     450                 455                 460
271 His Gly His Trp Glu Cys Ser Ala Ser Asn Ala Val Ala Arg Val Ala
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272 465                   470                475                480
275 Thr Ser Thr Asn Val Tyr Val Leu Gly Thr Ser Pro His Val Val Thr
276                   485                490                495
279 Asn Val Ser Val Val Ala Leu Pro Lys Gly Ala Asn Val Ser Trp Glu
280             500                505                510
283 Pro Gly Phe Asp Gly Gly Tyr Leu Gln Arg Phe Ser Val Trp Tyr Thr
284             515                520                525 .
287 Pro Leu Ala Lys Arg Pro Asp Arg Met His His Asp Trp Val Ser Leu
288       530                535                540
291 Ala Val Pro Val Gly Ala Ala His Leu Leu Val Pro Gly Leu Gln Pro
292 545                   550                555                560
295 His Thr Gln Tyr Gln Phe Ser Val Leu Ala Gln Asn Lys Leu Gly Ser
296             565                570                575
299 Gly Pro Phe Ser Glu Ile Val Leu Ser Ala Pro Glu Gly Leu Pro Thr
300             580                585                590
303 Thr Pro Ala Ala Pro Gly Leu Pro Pro Thr Glu Ile Pro Pro Pro Leu
304       595                600                605
307 Ser Pro Pro Arg Gly Leu Val Ala Val Arg Thr Pro Arg Gly Val Leu
308       610                615                620
311 Leu His Trp Asp Pro Pro Glu Leu Val Pro Lys Arg Leu Asp Gly Tyr
312 625                   630                635                640
315 Val Leu Glu Gly Arg Gln Gly Ser Gln Gly Trp Glu Val Leu Asp Pro
316   .                   645                650                655
319 Ala Val Ala Gly Thr Glu Thr Glu Leu Leu Val Pro Gly Leu Ile Lys
320             660                665                670
323 Asp Val Leu Tyr Glu Phe Arg Leu Val Ala Phe Ala Gly Ser Phe Val
324       675                680                685  .
327 Ser Asp Pro Ser Asn Thr Ala Asn Val Ser Thr Ser Gly Leu Glu Val
328       690                695                700
331 Tyr Pro Ser Arg Thr Gln Leu Pro Gly Leu Leu Pro Gln Pro Val Leu
332 705                   710                715                720
335 Ala Gly Val Val Gly Gly Val Cys Phe Leu Gly Val Ala Val Leu Val
336             725                730                735
339 Ser Ile Leu Ala Gly Cys Leu Leu Asn Arg Arg Arg Ala Ala Arg Arg
340             740                745                750
343 Arg Arg Lys Arg Leu Arg Gln Asp Pro Pro Leu Ile Phe Ser Pro Thr
344       755                760                765
347 Gly Lys Ser Ala Ala Pro Ser Ala Leu Gly Ser Gly Ser Pro Asp Ser
348       770                775                780
351 Val Ala Lys Leu Lys Leu Gln Gly Ser Pro Val Pro Ser Leu Arg Gln
352 785                   790                795                800
355 Ser Leu Leu Trp Gly Asp Pro Ala Gly Thr Pro Ser Pro His Pro Asp
356             805                810                815
359 Pro Pro Ser Ser Arg Gly Pro Leu Pro Leu Glu Pro Ile Cys Arg Gly
360             820                825                830
363 Pro Asp Gly Arg Phe Val Met Gly Pro Thr Val Ala Ala Pro Gln Glu
364       835                840                845
367 Arg Ser Gly Arg Glu Gln Ala Glu Pro Arg Thr Pro Ala Gln Arg Leu
368       850                855                860
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375 Pro Leu Cys Ile Glu Asp Ile Ser Pro Val Ala Pro Pro Pro Ala Ala
376             885             890             895
379 Pro Pro Ser Pro Leu Pro Gly Pro Gly Pro Leu Leu Gln Tyr Leu Ser
380         900             905             910
383 Leu Pro Phe Phe Arg Glu Met Asn Val Asp Gly Asp Trp Pro Pro Leu
384     915             920             925
387 Glu Glu Pro Ser Pro Ala Ala Pro Pro Asp Tyr Met Asp Thr Arg Arg
388     930             935             940
391 Cys Pro Thr Ser Ser Phe Leu Arg Ser Pro Glu Thr Pro Pro Val Ser
392 945             950             955             960
395 Pro Arg Glu Ser Leu Pro Gly Ala Val Val Gly Ala Gly Ala Thr Ala
396             965             970             975
399 Glu Pro Pro Tyr Thr Ala Leu Ala Asp Trp Thr Leu Arg Glu Arg Leu
400             980             985             990
403 Leu Pro Gly Leu Leu Pro Ala Ala  Pro Arg Gly Ser Leu  Thr Ser Gln
404         995             1000             1005
407 Ser Ser  Gly Arg Gly Ser Ala  Ser Phe Leu Arg Pro  Pro Ser Thr
408     1010             1015             1020
411 Ala Pro  Ser Ala Gly Gly Ser  Tyr Leu Ser Pro Ala  Pro Gly Asp
412     1025             1030             1035
415 Thr Ser  Ser Trp Ala Ser Gly  Pro Glu Arg Trp Pro  Arg Arg Glu
416     1040             1045             1050
419 His Val  Val Thr Val Ser Lys  Arg Arg Asn Thr Ser  Val Asp Glu
420     1055             1060             1065
423 Asn Tyr  Glu Trp Asp Ser Glu  Phe Pro Gly Asp Met  Glu Leu Leu
424     1070             1075             1080
427 Glu Thr  Leu His Leu Gly Leu  Ala Ser Ser Arg Leu  Arg Pro Glu
428     1085             1090             1095
431 Ala Glu  Thr Glu Leu Gly Val  Lys Thr Pro Glu Glu  Gly Cys Leu
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435 Leu Asn  Thr Ala His Val Thr  Gly Pro Glu Ala Arg  Cys Ala Ala
436     1115             1120             1125
439 Leu Arg  Glu Glu Phe Leu Ala  Phe Arg Arg Arg Arg  Asp Ala Thr
440     1130             1135             1140
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